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*Attorneys for Defendants*  
*Cox Communications, Inc.; CoxCom, LLC; and*  
*Cox Communications California, LLC*

UNITED STATES DISTRICT COURT  
CENTRAL DISTRICT OF CALIFORNIA

ENTROPIC COMMUNICATIONS,  
LLC,

Plaintiff,

v.

COX COMMUNICATIONS, INC.;  
COXCOM, LLC; and COX  
COMMUNICATIONS CALIFORNIA,  
LLC,

Defendants.

Case No. 2:23-cv-01049-JWH-KES  
([Lead Case](#))

[Case No. 2:23-cv-01050-JWH-KES](#)  
([Related Case](#))

**COX COMMUNICATIONS, INC.,  
COXCOM, LLC, AND COX  
COMMUNICATIONS  
CALIFORNIA, LLC'S FIRST  
AMENDED ANSWER AND  
DEFENSES TO COMPLAINT  
AND FIRST AMENDED  
COUNTERCLAIMS**

COX ~~DEFENDANT'S AMENDED ANSWER AND~~ DEFENSES TO COMPLAINT AND FIRST  
AMENDED COUNTERCLAIMS TO COMPLAINT  
CASE NO. 2:23-CV-01049-JWH-KES

**DEMAND FOR JURY TRIAL**

**UNREDACTED VERSION OF DOCUMENT SOUGHT TO BE SEALED**

1 COX COMMUNICATIONS, INC.,  
2 COXCOM, LLC, AND COX  
3 COMMUNICATIONS CALIFORNIA,  
4 LLC,

Counter-Claimants,

5 v.

6 ENTROPIC COMMUNICATIONS,  
7 LLC; MAXLINEAR  
8 COMMUNICATIONS LLC; AND  
9 MAXLINEAR, INC.

Counter-Defendants.

1 Defendants Cox Communications, Inc., CoxCom, LLC, and Cox  
2 Communications California, LLC (collectively “Cox”) answer Plaintiff Entropic  
3 Communications, LLC’s (“Entropic” or “Plaintiff”) Complaint for Patent  
4 Infringement (“Complaint”) as follows:

5 1. Cox admits that Plaintiff has filed a civil action against Cox purporting  
6 to asserted claims for infringement of U.S. Patent No. 8,223,775 (the “’775 Patent”),  
7 8,284,690 (the “’690 Patent”), 8,792,008 (the “’008 Patent”), 9,210,362 (the “’362  
8 Patent”), 9,825,826 (the “’826 Patent”), 10,135,682 (the “’682 Patent”), 11,381,866  
9 (the “’866 Patent”), and 11,399,206 (the “’206 Patent”) (collectively, “the Asserted  
10 Patents”). Cox denies that Plaintiff’s claims have merit and denies that it has infringed  
11 any valid claim of any Asserted Patent. Cox denies the remainder of the allegations  
12 of Paragraph 1.

13 **THE PARTIES<sup>1</sup>**

14 2. Cox is without knowledge or information sufficient to form a belief as to  
15 the truth of the allegations of Paragraph 2, and therefore denies them.

16 3. Cox is without knowledge or information sufficient to form a belief as to  
17 the truth of the allegations of Paragraph 3 and therefore denies them.

18 4. Cox admits that Cox Communications, Inc. (“Cox Communications”) is  
19 a privately-owned subsidiary of Cox Enterprises Inc. and is a Delaware Corporation  
20 with a principal place of business at 6205 Peachtree Dunwoody Road, Atlanta,  
21 Georgia 30328.

22 5. Cox admits that Cox Communications, Inc. (“Cox Communications”) has,  
23 as its registered agent in Delaware, Corporation Service Company 251 Little Falls  
24 Drive, Wilmington, Delaware 19808.

25  
26  
27 <sup>1</sup> For ease of reference, the headings from Entropic’s Complaint are used herein.  
28 Such use is for convenience, and does not indicate that Cox admits or agrees with  
any text of any headings re-used herein.

1           6. Cox admits that CoxCom, LLC (“CoxCom”) is a subsidiary of Cox  
2 Communications, Inc., and is incorporated in Delaware, with a principal place of  
3 business at 6205 Peachtree Dunwoody Road, Atlanta, Georgia 30328.

4           7. Cox admits that CoxCom has, as its registered agent in California,  
5 Corporation Service Company d/b/a CSC - Lawyers Incorporating Service Company,  
6 located at 2710 Gateway Oaks Dr., Suite 150N, Sacramento, California 95833.

7           8. Cox admits that Cox Communications California, LLC (“Cox  
8 California”) is a Delaware limited liability company, with a regular and established  
9 place of business at 6205 Peachtree Dunwoody Road, Atlanta, Georgia 30328.

10          9. Cox admits that Cox California has, as its registered agent in California,  
11 Corporation Service Company d/b/a CSC - Lawyers Incorporating Service Company,  
12 located at 2710 Gateway Oaks Dr., Suite 150N, Sacramento, California 95833.

13          10. Cox admits that Paragraph 10 purports to quote a document, which  
14 speaks for itself and is the best evidence of its contents. Cox denies the remaining  
15 allegations in Paragraph 10.

16          11. Cox denies the allegations of Paragraph 11.

17          12. Cox admits that the website of Cox Enterprises, Inc. speaks for itself and  
18 is the best evidence as to its contents. Cox denies the remaining allegations of  
19 Paragraph 12.

20          13. Cox denies the allegations of Paragraph 13.

21          14. “Manager/member” is undefined and so to the extent that Cox  
22 understands the allegations in Paragraph 14, Cox admits that CoxCom is a subsidiary  
23 of Cox Communications. Cox is without knowledge or information sufficient to form  
24 a belief as to the truth of the remaining allegations in Paragraph 14, and therefore  
25 denies the remaining allegations.

26          15. “Complete control” is undefined and so to the extent that Cox  
27 understands the allegations in Paragraph 15, Cox admits that CoxCom is a subsidiary  
28

1 of Cox Communications. Cox is without knowledge or information sufficient to form  
2 a belief as to the truth of the remaining allegations in Paragraph 20, and therefore  
3 denies the remaining allegations.

4 16. "Manager/member" is undefined and so to the extent that Cox  
5 understands the allegations in Paragraph 16, Cox admits that Cox California is a  
6 subsidiary of CoxCom. Cox is without knowledge or information sufficient to form a  
7 belief as to the truth of the remaining allegations in Paragraph 16, and therefore denies  
8 the remaining allegations.

9 17. Cox admits that Cox California provides cable services in at least  
10 California. Cox denies the remaining allegations in Paragraph 17.

11 18. Cox admits that Paragraph 18 purports to quote a Residential Customer  
12 Service Agreement, which document speaks for itself and is the best evidence of its  
13 contents. Cox denies the remaining allegations in Paragraph 18.

14 19. Cox admits that Cox Communications, CoxCom, and Cox California  
15 share a principal place of business at 6205 Peachtree Dunwoody Road, Atlanta,  
16 Georgia 30328. Cox denies the remaining allegations in Paragraph 19.

17 20. Cox denies the allegations of Paragraph 20.

18 **PRESUIT DISCUSSIONS**

19 21. Cox denies that the intended recipient received the communication that  
20 Plaintiff purports to have sent by physical means to Cox on August 9, 2022. Cox  
21 denies that the intended recipient received the communications that Plaintiff purports  
22 to have sent by physical means to Cox on December 23, 2022. Cox admits that a  
23 communication was sent by electronic means on January 2, 2023. Cox admits that it  
24 has not responded to the August 9, 2022, or December 23, 2022, or January 2, 2023,  
25 communications. Cox denies the remainder of the allegations in Paragraph 21.

**ENTROPIC'S LEGACY AS A CABLE INNOVATOR**

22. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 22, and therefore denies them.

23. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 23, and therefore denies them.

24. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 24, and therefore denies them.

25. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 25, and therefore denies them.

26. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 26, and therefore denies them.

27. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 27, and therefore denies them.

28. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 28, and therefore denies them.

29. Cox admits that Entropic filed a patent infringement suit against Charter Communications, Inc. ("Charter") in the Eastern District of Texas, Case No. 2:22-CV-00125-JRG, on April 27, 2022, asserting the '775 Patent, the '690 Patent, the '008 Patent, the '362 Patent, the '826 Patent, and the '682 Patent against Charter's provision of cable television and internet services, cable modem products and STBs. Cox denies the remaining allegations in Paragraph 29.

30. Cox denies the allegations of Paragraph 30.

31. Cox denies the allegations of Paragraph 31.

32. Cox denies the allegations of Paragraph 32.

33. Cox denies the allegations of Paragraph 33.

34. Cox denies the allegations of Paragraph 34.

**JURISDICTION AND VENUE**

35. Cox admits that Plaintiff purports to state a claim for patent infringement under the patent laws of the United States, but denies that Plaintiff is entitled to any relief for such claim. Cox denies all remaining allegations in Paragraph 35.

36. Cox admits that venue is proper in this Court for purposes of this action and admits that it has transacted business in this District for purposes of this action. Cox denies that it has committed any act of patent infringement allegedly described in the Complaint. Cox denies all remaining allegations in Paragraph 36.

37. Cox denies that this Court has general personal jurisdiction over Cox. Cox admits that it provides cable television, internet, and phone services to businesses and residents in California. Cox denies all remaining allegations contained in Paragraph 37.

38. Cox admits the presence of a Cox facility at 27121 Towne Centre Drive, Foothill Ranch, California 92610. Cox denies all remaining allegations contained in Paragraph 38.

39. Cox admits for purposes of this action that this Court has personal jurisdiction over Cox. Cox denies all remaining allegations contained in Paragraph 39.

40. Cox admits that it has provided certain telecommunications services in portions of the United States and that Cox operates and maintains a network, involving various Cox branded products and services, although Cox denies that any of its services infringe any Asserted Patents. Cox admits that subscribers to certain of Cox's services receive either receivers or set top boxes within this District. Cox denies all remaining allegations contained in Paragraph 40.

41. Cox denies the allegations of Paragraph 41.

42. Cox admits that it operates one or more facilities or locations in this District, and that Paragraph 42 appears to summarize information available from



1 Cox's website, which speaks for itself and is the best evidence of its contents. Cox  
2 denies the remaining allegations contained in Paragraph 42.

3 43. Cox admits that Paragraph 43 purports to reference storefronts listed in  
4 Cox's website, which speaks for itself and is the best evidence of its contents. Cox  
5 denies the allegations contained in Paragraph 43.

6 44. Cox admits that certain Cox entities own and/or lease certain premises  
7 where Cox stores are located. Cox denies the remaining allegations of Paragraph 44.

8 45. Cox admits that certain Cox entities employ persons at Cox stores  
9 located within this District. Cox denies the remaining allegations of Paragraph 45.

10 46. Cox admits that it has engaged in business at physical places within this  
11 District. Cox denies all remaining allegations of Paragraph 46.

12 47. Cox admits that certain Cox entities employ and/or contract with persons  
13 to install, service, repair, and/or replace equipment, as appropriate, in this District.  
14 Cox denies all remaining allegations of Paragraph 47.

15 48. Cox admits that stores or service centers owned or operated by Cox  
16 contain equipment by which services provided by Cox can be delivered. Cox denies  
17 the remaining allegations of Paragraph 48.

18 49. Cox admits that Paragraph 49 purports to summarize and/or quote  
19 portions of a Cox Communications website, which document speaks for itself and is  
20 the best evidence of its contents. Cox denies the remaining allegations of Paragraph  
21 49.

22 50. Cox admits that it has provided certain services and products in this  
23 District and in portions of the United States, although Cox denies that any of its  
24 services or products infringe any Asserted Patents. Cox denies the remaining  
25 allegations of Paragraph 50.

1 51. Cox admits that it will not contest that venue is proper in this Court for  
2 purposes of this action. Cox denies all remaining allegations contained in Paragraph  
3 51.

4 52. Cox admits that it has continued to conduct business in this District for  
5 purposes of this action. Cox denies all remaining allegations contained in Paragraph  
6 52.

7 **COUNT I**

8 **(Infringement of the '775 Patent)**

9 53. Paragraphs 1-52 of Cox's Answer are incorporated by reference as if set  
10 forth herein.

11 54. Cox admits that the face of the '775 Patent states that it issued on July  
12 17, 2012, from an application filed September 30, 2003.

13 55. Cox is without knowledge or information sufficient to form a belief as to  
14 the truth of the allegations of Paragraph 55, and therefore denies them.

15 56. Cox admits that Exhibit 1 to the Complaint purports to be a true and  
16 accurate copy of the '775 Patent. Cox denies all remaining allegations in Paragraph  
17 56.

18 57. Cox denies the allegations contained in Paragraph 57.

19 58. Cox denies that the '775 Patent is valid and enforceable. Cox admits that  
20 by its issuance, the '775 Patent is presumed valid under 35 U.S.C. § 282. Cox denies  
21 any remaining allegations in Paragraph 58.

22 59. Cox denies the allegations contained in Paragraph 59.

23 60. Cox denies the allegations contained in Paragraph 60.

24 61. Cox denies the allegations contained in Paragraph 61.

25 62. Cox denies the allegations contained in Paragraph 62.

26 63. Cox denies the allegations contained in Paragraph 63.

27 64. Cox denies the allegations contained in Paragraph 64.

1 65. Cox denies the allegations contained in Paragraph 65.

2 66. Cox denies the allegations contained in Paragraph 66.

3 67. Cox denies the allegations contained in Paragraph 67.

4 68. Cox denies the allegations contained in Paragraph 68.

5 69. Cox denies the allegations contained in Paragraph 69.

6 70. Cox denies the allegations contained in Paragraph 70.

7 71. Cox denies the allegations contained in Paragraph 71.

8 72. Cox denies the allegations contained in Paragraph 72.

9 73. Cox denies the allegations contained in Paragraph 73.

10 74. Cox denies the allegations contained in Paragraph 74.

11 75. Cox denies the allegations contained in Paragraph 75.

12 76. Cox denies the allegations contained in Paragraph 76.

13 77. Cox denies the allegations contained in Paragraph 77.

14 78. Cox is without knowledge or information sufficient to form a belief as to  
15 the truth of the allegations of Paragraph 78, and therefore denies them.

16 **COUNT II**

17 **(Infringement of the '690 Patent)**

18 79. Paragraphs 1-78 of Cox's Answer are incorporated by reference as if set  
19 forth herein.

20 80. Cox admits that the face of the '690 Patent states that it issued on 14  
21 October 9, 2012, from an application filed December 10, 2009, and is related to a 15  
22 provisional application filed May 19, 2009, and a provisional application filed 16  
23 December 15, 2008. Cox denies all remaining allegations in Paragraph 80.

24 81. Cox is without knowledge or information sufficient to form a belief as to  
25 the truth of the allegations of Paragraph 81, and therefore denies them.

1 82. Cox admits that Exhibit 3 to the Complaint purports to be a true and  
2 accurate copy of the '690 Patent. Cox denies all remaining allegations in Paragraph  
3 82.

4 83. Cox denies the allegations contained in Paragraph 83.

5 84. Cox denies that the '690 Patent is valid and enforceable. Cox admits that  
6 by its issuance, the '690 Patent is presumed valid under 35 U.S.C. § 282. Cox denies  
7 any remaining allegations in Paragraph 84.

8 85. Cox denies the allegations contained in Paragraph 85.

9 86. Cox denies the allegations contained in Paragraph 86.

10 87. Cox denies the allegations contained in Paragraph 87.

11 88. Cox denies the allegations contained in Paragraph 88.

12 89. Cox denies the allegations contained in Paragraph 89.

13 90. Cox denies the allegations contained in Paragraph 90.

14 91. Cox denies the allegations contained in Paragraph 91.

15 92. Cox denies the allegations contained in Paragraph 92.

16 93. Cox denies the allegations contained in Paragraph 93.

17 94. Cox denies the allegations contained in Paragraph 94.

18 95. Cox denies the allegations contained in Paragraph 95.

19 96. Cox denies the allegations contained in Paragraph 96.

20 97. Cox denies the allegations contained in Paragraph 97.

21 98. Cox denies the allegations contained in Paragraph 98.

22 99. Cox denies the allegations contained in Paragraph 99.

23 100. Cox denies the allegations contained in Paragraph 100.

24 101. Cox denies the allegations contained in Paragraph 101.

25 102. Cox denies the allegations contained in Paragraph 102.

26 103. Cox denies the allegations contained in Paragraph 103.

1 104. Cox is without knowledge or information sufficient to form a belief as to  
2 the truth of the allegations of Paragraph 104, and therefore denies them.

3 **COUNT III**

4 **(Infringement of the '008 Patent)**

5 105. Paragraphs 1-104 of Cox's Answer are incorporated by reference as if  
6 set forth herein.

7 106. Cox admits that the face of the '008 Patent states that it issued on July  
8 29, 2014, from an application filed September 10, 2012, and is related to a provisional  
9 application filed September 8, 2011. Cox denies all remaining allegations in  
10 Paragraph 106.

11 107. Cox is without knowledge or information sufficient to form a belief as to  
12 the truth of the allegations of Paragraph 107, and therefore denies them.

13 108. Cox admits that Exhibit 5 to the Complaint purports to be a true and  
14 accurate copy of the '008 Patent. Cox denies all remaining allegations in Paragraph  
15 82.

16 109. Cox denies the allegations contained in Paragraph 109.

17 110. Cox denies that the '008 Patent is valid and enforceable. Cox admits that  
18 by its issuance, the '008 Patent is presumed valid under 35 U.S.C. § 282. Cox denies  
19 any remaining allegations in Paragraph 110.

20 111. Cox denies the allegations contained in Paragraph 111.

21 112. Cox denies the allegations contained in Paragraph 112.

22 113. Cox denies the allegations contained in Paragraph 113.

23 114. Cox denies the allegations contained in Paragraph 114.

24 115. Cox denies the allegations contained in Paragraph 115.

25 116. Cox denies the allegations contained in Paragraph 116.

26 117. Cox denies the allegations contained in Paragraph 117.

27 118. Cox denies the allegations contained in Paragraph 118.

1 119. Cox denies the allegations contained in Paragraph 119.

2 120. Cox denies the allegations contained in Paragraph 120.

3 121. Cox denies the allegations contained in Paragraph 121.

4 122. Cox denies the allegations contained in Paragraph 122.

5 123. Cox denies the allegations contained in Paragraph 123.

6 124. Cox denies the allegations contained in Paragraph 124.

7 125. Cox denies the allegations contained in Paragraph 125.

8 126. Cox denies the allegations contained in Paragraph 126.

9 127. Cox denies the allegations contained in Paragraph 127.

10 128. Cox denies the allegations contained in Paragraph 128.

11 129. Cox denies the allegations contained in Paragraph 129.

12 130. Cox is without knowledge or information sufficient to form a belief as to  
13 the truth of the allegations of Paragraph 130, and therefore denies them.

14 **COUNT IV**

15 **(Infringement of the '362 Patent)**

16 131. Paragraphs 1-130 of Cox's Answer are incorporated by reference as if  
17 set forth herein.

18 132. Cox admits that the face of the '362 Patent states that it issued on  
19 December 8, 2015, from an application filed February 5, 2015, an application filed  
20 August 8, 2013, an application filed April 19, 2010, and is related to a provisional  
21 application filed April 17, 2009. Cox denies all remaining allegations in Paragraph  
22 132.

23 133. Cox is without knowledge or information sufficient to form a belief as to  
24 the truth of the allegations of Paragraph 133, and therefore denies them.

25 134. Cox admits that Exhibit 7 to the Complaint purports to be a true and  
26 accurate copy of the '362 Patent. Cox denies all remaining allegations in Paragraph  
27 134.

1 135. Cox denies the allegations contained in Paragraph 135.

2 136. Cox denies that the '362 Patent is valid and enforceable. Cox admits that  
3 by its issuance, the '362 Patent is presumed valid under 35 U.S.C. § 282. Cox denies  
4 any remaining allegations in Paragraph 136.

5 137. Cox denies the allegations contained in Paragraph 137.

6 138. Cox denies the allegations contained in Paragraph 138.

7 139. Cox denies the allegations contained in Paragraph 139.

8 140. Cox denies the allegations contained in Paragraph 140.

9 141. Cox denies the allegations contained in Paragraph 141.

10 142. Cox denies the allegations contained in Paragraph 142.

11 143. Cox denies the allegations contained in Paragraph 143.

12 144. Cox denies the allegations contained in Paragraph 144.

13 145. Cox denies the allegations contained in Paragraph 145.

14 146. Cox denies the allegations contained in Paragraph 146.

15 147. Cox denies the allegations contained in Paragraph 147.

16 148. Cox denies the allegations contained in Paragraph 148.

17 149. Cox denies the allegations contained in Paragraph 149.

18 150. Cox denies the allegations contained in Paragraph 150.

19 151. Cox denies the allegations contained in Paragraph 151.

20 152. Cox denies the allegations contained in Paragraph 152.

21 153. Cox denies the allegations contained in Paragraph 153.

22 154. Cox denies the allegations contained in Paragraph 154.

23 155. Cox denies the allegations contained in Paragraph 156.

24 156. Cox is without knowledge or information sufficient to form a belief as to  
25 the truth of the allegations of Paragraph 156, and therefore denies them.

**COUNT V**

**(Infringement of the '826 Patent)**

157. Paragraphs 1-156 of Cox's Answer are incorporated by reference as if set forth herein.

158. Cox admits that the face of the '826 Patent states that it issued on November 21, 2017 from an application filed November 23, 2015, an application filed July 28, 2014, an application filed September 10, 2012 and is related to a provisional application filed September 8, 2011. Cox denies all remaining allegations in Paragraph 132.

159. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 159, and therefore denies them.

160. Cox admits that Exhibit 9 to the Complaint purports to be a true and accurate copy of the '826 Patent. Cox denies all remaining allegations in Paragraph 160.

161. Cox denies the allegations contained in Paragraph 161.

162. Cox denies that the '826 Patent is valid and enforceable. Cox admits that by its issuance, the '826 Patent is presumed valid under 35 U.S.C. § 282. Cox denies any remaining allegations in Paragraph 162.

163. Cox denies the allegations contained in Paragraph 163.

164. Cox denies the allegations contained in Paragraph 164.

165. Cox denies the allegations contained in Paragraph 165.

166. Cox denies the allegations contained in Paragraph 166.

167. Cox denies the allegations contained in Paragraph 167.

168. Cox denies the allegations contained in Paragraph 168.

169. Cox denies the allegations contained in Paragraph 169.

170. Cox denies the allegations contained in Paragraph 170.

171. Cox denies the allegations contained in Paragraph 171.



1 172. Cox denies the allegations contained in Paragraph 172.

2 173. Cox denies the allegations contained in Paragraph 173.

3 174. Cox denies the allegations contained in Paragraph 174.

4 175. Cox denies the allegations contained in Paragraph 175.

5 176. Cox denies the allegations contained in Paragraph 176.

6 177. Cox denies the allegations contained in Paragraph 177.

7 178. Cox denies the allegations contained in Paragraph 178.

8 179. Cox denies the allegations contained in Paragraph 179.

9 180. Cox denies the allegations contained in Paragraph 180.

10 181. Cox denies the allegations contained in Paragraph 181.

11 182. Cox is without knowledge or information sufficient to form a belief as to  
12 the truth of the allegations of Paragraph 182, and therefore denies them.

13 **COUNT VI**

14 **(Infringement of the '682 Patent)**

15 183. Paragraphs 1-182 of Cox's Answer are incorporated by reference as if  
16 set forth herein.

17 184. Cox admits that the face of the '682 Patent states that it issued on  
18 November 20, 2018, from an application filed January 9, 2018, an application filed  
19 February 16, 2017, an application filed August 4, 2016, and application filed July 23,  
20 2013, and is related to a provisional application filed July 23, 2012. Cox denies all  
21 remaining allegations in Paragraph 184.

22 185. Cox is without knowledge or information sufficient to form a belief as to  
23 the truth of the allegations of Paragraph 185, and therefore denies them.

24 186. Cox admits that Exhibit 11 to the Complaint purports to be a true and  
25 accurate copy of the '682 Patent. Cox denies all remaining allegations in Paragraph  
26 186.

27 187. Cox denies the allegations contained in Paragraph 187.

188. Cox denies the allegations contained in Paragraph 188.

189. Cox denies the allegations contained in Paragraph 189.

190. Cox denies the allegations contained in Paragraph 190.

191. Cox denies the allegations contained in Paragraph 191.

192. Cox denies the allegations contained in Paragraph 192.

193. Cox denies the allegations contained in Paragraph 193.

194. Cox denies the allegations contained in Paragraph 194.

195. Cox denies the allegations contained in Paragraph 195.

196. Cox denies the allegations contained in Paragraph 196.

197. Cox denies the allegations contained in Paragraph 197.

198. Cox denies the allegations contained in Paragraph 198.

199. Cox denies the allegations contained in Paragraph 199.

200. Cox denies the allegations contained in Paragraph 200.

201. Cox denies the allegations contained in Paragraph 201.

202. Cox denies the allegations contained in Paragraph 202.

203. Cox is without knowledge or information sufficient to form a belief as to the truth of the allegations of Paragraph 203, and therefore denies them.

## **COUNT VII**

### **(Infringement of the '866 Patent)**

204. Paragraphs 1-203 of Cox's Answer are incorporated by reference as if set forth herein.

205. Cox admits that the fact of the '866 Patent states that it issued on July 5, 2022, from an application filed March 30, 2021, an application filed June 4, 2019, and application filed October 24, 2017, and application filed November 23, 2015, an application filed February 10, 2015, an application filed August 8, 2013, an application filed April 19, 2010 and is related to a provisional application filed April 17, 2009. Cox denies all remaining allegations in Paragraph 205.

1           206. Cox is without knowledge or information sufficient to form a belief as to  
2 the truth of the allegations of Paragraph 206, and therefore denies them.

3           207. Cox admits that Exhibit 13 to the Complaint purports to be a true and  
4 accurate copy of the '866 Patent. Cox denies all remaining allegations in Paragraph  
5 207.

6           208. Cox denies the allegations contained in Paragraph 208.

7           209. Cox denies the allegations contained in Paragraph 209.

8           210. Cox denies the allegations contained in Paragraph 210.

9           211. Cox denies the allegations contained in Paragraph 211.

10          212. Cox denies the allegations contained in Paragraph 212.

11          213. Cox denies the allegations contained in Paragraph 213.

12          214. Cox denies the allegations contained in Paragraph 214.

13          215. Cox denies the allegations contained in Paragraph 215.

14          216. Cox denies the allegations contained in Paragraph 216.

15          217. Cox denies the allegations contained in Paragraph 217.

16          218. Cox denies the allegations contained in Paragraph 218.

17          219. Cox denies the allegations contained in Paragraph 219.

18          220. Cox denies the allegations contained in Paragraph 220.

19          221. Cox denies the allegations contained in Paragraph 221.

20          222. Cox denies the allegations contained in Paragraph 222.

21          223. Cox denies the allegations contained in Paragraph 223.

22          224. Cox denies the allegations contained in Paragraph 224.

23          225. Cox denies the allegations contained in Paragraph 225.

24          226. Cox denies the allegations contained in Paragraph 226.

25          227. Cox denies the allegations contained in Paragraph 227.

26          228. Cox denies the allegations contained in Paragraph 228.

1 229. Cox is without knowledge or information sufficient to form a belief as to  
2 the truth of the allegations of Paragraph 229, and therefore denies them.

3 **COUNT VIII**

4 **(Infringement of the '206 Patent)**

5 230. Paragraphs 1-229 of Cox's Answer are incorporated by reference as if  
6 set forth herein.

7 231. Cox admits that the fact of the '206 Patent states that it issued on July  
8 26, 2022, from an application filed January 28, 2022, an application filed March 30,  
9 2021, an application filed June 4, 2019, and application filed October 24, 2017, an  
10 application filed November 23, 2015, an application filed February 10, 2015, an  
11 application filed August 8, 2013, an application filed April 19, 2010 and is related to  
12 a provisional application filed April 17, 2009. Cox denies all remaining allegations in  
13 Paragraph 231.

14 232. Cox is without knowledge or information sufficient to form a belief as to  
15 the truth of the allegations of Paragraph 232, and therefore denies them.

16 233. Cox admits that Exhibit 15 to the Complaint purports to be a true and  
17 accurate copy of the '206 Patent. Cox denies all remaining allegations in Paragraph  
18 233.

19 234. Cox denies the allegations contained in Paragraph 234.

20 235. Cox denies the allegations contained in Paragraph 235.

21 236. Cox denies the allegations contained in Paragraph 236.

22 237. Cox denies the allegations contained in Paragraph 237.

23 238. Cox denies the allegations contained in Paragraph 238.

24 239. Cox denies the allegations contained in Paragraph 239.

25 240. Cox denies the allegations contained in Paragraph 240.

26 241. Cox denies the allegations contained in Paragraph 241.

27 242. Cox denies the allegations contained in Paragraph 242.

1 243. Cox denies the allegations contained in Paragraph 243.

2 244. Cox denies the allegations contained in Paragraph 244.

3 245. Cox denies the allegations contained in Paragraph 245.

4 246. Cox denies the allegations contained in Paragraph 246.

5 247. Cox is without knowledge or information sufficient to form a belief as to  
6 the truth of the allegations of Paragraph 247, and therefore denies them.

7 **RESPONSE TO PLAINTIFF'S JURY DEMAND**

8 248. Cox admits that Entropic demands a trial by jury on all issues triable by  
9 right, and a response is not required.

10 **PRAYER FOR RELIEF**

11 249. Cox denies that Entropic is entitled to any relief, including, but not  
12 limited to, any relief sought in the Complaint. To the extent that Entropic's Prayer for  
13 Relief contains any factual allegations, Cox denies them.

14 **DEFENSES**

15 250. Cox incorporates herein by reference the admissions, allegations, and  
16 denials contained in its Answer above as if fully set forth herein. Without assuming  
17 any burden that it would not otherwise bear and without reducing Entropic's burden  
18 on any of the claims in the Complaint, Cox states the following defenses to the claims  
19 in the Complaint. Cox reserves the right to amend its affirmative defenses and to add  
20 additional affirmative defenses, including, but not limited to, any defenses revealed  
21 during discovery.

22 **First Defense**

23 **(Failure to State a Claim)**

24 251. Plaintiff's Complaint fails to state a claim upon which relief can be  
25 granted and/or fails to plead factual allegations with sufficiency and particularity  
26 required to state a plausible claim.

**Second Defense**

**(Non-Infringement)**

252. Cox does not infringe and has not infringed, directly or indirectly, any valid and enforceable claim of U.S. Patent Nos. 8,223,775, 8,284,690, 8,792,008, 9,210,362, 9,825,826, 10,135,682, 11,381,866, and 11,399,206 (collectively, the “Asserted Patents”).

**Third Defense**

**(Invalidity)**

253. The claims of the Asserted Patents are invalid for failure to comply with one or more of the requirements of 35 U.S.C. §§ 101, 102, 103, and 112.

**Fourth Defense**

**(Prosecution Estoppel)**

254. Plaintiff’s claims are barred, in whole or in part, under the doctrine of prosecution estoppel, by admissions, representations, statements, or actions taken during the prosecution of the patent applications that ultimately issued as the Asserted Patents, and/or by representations or actions taken during post-grant proceedings before the USPTO involving the Asserted Patents.

**Fifth Defense**

**(Equitable Doctrines)**

255. Plaintiff’s claims for relief are barred in whole or in part by the equitable doctrines of prosecution laches, unclean hands, estoppel, *in pari delicto*, waiver, acquiescence, and/or other equitable doctrines.

**Sixth Defense**

**(Release, License, or Exhaustion)**

256. Plaintiff’s claims for relief against Cox are barred in whole or in part by release, license, or exhaustion, express or implied, and/or restrictions on double recovery. Plaintiff’s claims for relief against Cox are barred in whole or in part to the

1 extent that Plaintiff and/or its predecessors in interest granted rights in the Asserted  
2 Patents to Cox, Cox's affiliates, and/or Cox's vendors and/or business partners.

3 **Seventh Defense**

4 **(Limitations of Remedies)**

5 257. Plaintiff's claims for relief are barred in whole or in part by the  
6 provisions of 35 U.S.C. §§ 286 and/or 288.

7 **Eighth Defense**

8 **(Necessary Parties)**

9 258. There are additional and necessary parties that must be joined in this  
10 action, including to the extent that Plaintiff lacks all right, title and interest in the  
11 Asserted Patents.

12 **Ninth Defense**

13 **(Not an Exceptional Case)**

14 259. Cox has engaged in good faith in all activities accused of infringement in  
15 Plaintiff's Complaint, thereby precluding Plaintiff, even if it prevails, from recovering  
16 attorney fees and/or costs under 35 U.S.C. § 285.

17 **Tenth Defense**

18 **(No Enhanced Damages)**

19 260. Plaintiff is not entitled to enhanced damages under 35 U.S.C. § 284, at  
20 least because Plaintiff has failed to show, and cannot show, that any infringement has  
21 been willful and/or egregious because Cox has not engaged in any conduct that meets  
22 the applicable standard for willful infringement.

23 **Eleventh Defense**

24 **(Lack of Standing)**

25 261. Plaintiff lacks standing to bring, or maintain, this lawsuit in  
26 connection with the Asserted Patents, including to the extent that Plaintiff did not, or  
27  
28

1 does not, hold sufficient exclusionary rights under, or all substantial rights, title, and  
2 interest to, any of the Asserted Patents.

3 **Twelfth Defense**

4 **(Failure to Mark)**

5 262. To the extent that Plaintiff, its alleged predecessors in interest to the  
6 Asserted Patents, and any and all licensees of the Asserted Patents failed to properly  
7 mark any of their relevant products as required by 35 U.S.C. § 287 or otherwise give  
8 proper notice that Cox's actions allegedly infringed the Asserted Patents, Cox is not  
9 liable to Plaintiff for the acts alleged to have been performed before receiving actual  
10 notice that it was allegedly infringing the Asserted Patents.

11 **Thirteenth Defense**

12 **(Failure to Comply with FRAND Terms)**

13 263. Plaintiff is estopped or contractually barred from demanding relief that  
14 is inconsistent with its obligation to offer a license on terms that are fair, reasonable,  
15 and non-discriminatory, as to any Asserted Patents that are enforceable, valid, and  
16 standard essential.

17 **Fourteenth Defense**

18 **(Misuse)**

19 264. Plaintiff has engaged in patent misuse that renders the Asserted Patents  
20 unenforceable. Specifically, it has engaged in activities with respect to the patents  
21 being asserted in this action in a manner that is anticompetitive and improperly  
22 broadens the scope of the right to enforce the Asserted Patents. Such actions include  
23 attempting to extend the scope of one or more of the Asserted Patents to permit  
24 Plaintiff to attempt to obtain remedies that they would otherwise not be entitled to  
25 under the applicable policies of standards organizations, such as MoCA.

26 **Fifteenth Defense**

27 **(Waiver)**



1 265. As to any Asserted Patents that are enforceable, valid, and standard  
2 essential, Plaintiff has waived any right to claim any recovery that is not FRAND-  
3 compliant under the policies of the applicable standards organization, such as MoCA.

4 **Sixteenth Defense**

5 **(Additional Defenses)**

6 266. Cox reserves all affirmative defenses under Rule 8(c) of the Federal  
7 Rules of Civil Procedure, the Patent Laws of the United States, and any other  
8 defenses, at law or in equity, that may not exist or in the future be available based on  
9 discovery or further factual investigation in this case.

10 **COUNTERCLAIMS**

11 267. This case involves assertion of one or more patents that may be owned  
12 by a party other than Plaintiff, including at least MaxLinear, Inc. and MaxLinear  
13 Communications LLC (collectively, “MaxLinear”). Independently, MaxLinear has  
14 sought to avoid encumbrances on its patents, including royalty-free, perpetual and  
15 irrevocable licenses granted to practice patents applicable to certain standards.  
16 MaxLinear accordingly breached its contractual obligations and unjustly enriched  
17 itself by participating in certain standards development activities. Plaintiff induced  
18 those breaches and is, accordingly, liable for its conduct.

19 267-268. Plaintiff has admitted, or made assertions in its Complaint and in  
20 its infringement contentions that reasonably suggest, that one or more of the Asserted  
21 Patents contain claims essential to compliance with Data Over Cable Service Interface  
22 Specifications (“DOCSIS”) standards. Because one or more of the Asserted Patents  
23 contain claims essential to DOCSIS specifications, any and all such patents are subject  
24 to a royalty-free license that bars suit upon same. MaxLinear, however, breached its  
25 obligations under the DOCSIS License Agreement and Plaintiff induced such  
26 breaches. Cox accordingly seeks relief for those and related actions.

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**Parties, Jurisdiction and Venue**

~~268-269.~~ Cox Communications, Inc. (“Cox Communications”) is a Delaware corporation with a principal place of business at 6205 Peachtree Dunwoody Road, Atlanta, Georgia 30328.

~~269-270.~~ CoxCom, LLC (“CoxCom”) is a Delaware limited liability company, with a principal place of business at 6205 Peachtree Dunwoody Road, Atlanta, Georgia 30328.

~~270-271.~~ Cox Communications California, LLC (“Cox California”) is a Delaware limited liability company, with a regular and established place of business at 6205 Peachtree Dunwoody Road, Atlanta, Georgia 30328.

~~271-272.~~ Counterclaim plaintiffs are Cox Communications, CoxCom and Cox California (collectively, “Cox”).

~~272-273.~~ MaxLinear, Inc. is a Delaware corporation, with a principal place of business at 5966 La Place Court Suite 100, Carlsbad, CA.

~~273-274.~~ On April 30, 2015, Entropic Communications, Inc. merged with and into Excalibur Subsidiary, LLC (a subsidiary of MaxLinear, Inc.), with the surviving entity being Excalibur Subsidiary, LLC. At the same time, Excalibur Subsidiary, LLC changed its name to Entropic Communications, LLC. On February 20, 2018, Entropic Communications, LLC then changed its name to MaxLinear Communications LLC.

~~274-275.~~ MaxLinear Communications LLC is an affiliate of MaxLinear, Inc., and is a Delaware limited liability company with a principal place of business at 5966 LA Place Ct Ste 100, Carlsbad, CA 92008. Collectively, MaxLinear, Inc. and MaxLinear Communications LLC are referred to as “MaxLinear.”

~~275-276.~~ Entropic Communications, LLC (“Entropic”) is the Plaintiff in this action and is unaffiliated with MaxLinear. The Counterclaim defendants are Entropic, MaxLinear, Inc. and MaxLinear Communications LLC.

1        276-277. The Court has supplemental jurisdiction over Cox’s counterclaims  
2 pursuant to 28 U.S.C. § 1367 because, as set forth below, the claims are so related to  
3 the claim(s) over which the Court has original jurisdiction that the claims form part  
4 of the same case or controversy under Article III of the United States Constitution.  
5 Cox’s declaratory judgment counterclaim arises under Title 35 of the United States  
6 Code and the Court has subject matter jurisdiction over that claim under 28 U.S.C. §§  
7 1331, 1338, 2201, and 2202.

8        277-278. Entropic filed its Complaint in this matter in this Court,  
9 thereby submitting itself to this Court’s personal jurisdiction.

10        278-279. This Court has general personal jurisdiction over MaxLinear  
11 because it conducts systematic and regular business within the State of California  
12 by, inter alia providing digital, high-performance analog and mixed-signal integrated  
13 circuits and software solutions, as well as systems-on-chip solutions used for  
14 broadband, mobile and wireline infrastructure, data center, and industrial and multi-  
15 market applications.

16        279-280. Upon information and belief, MaxLinear maintains a regular  
17 and established place of business within this district at 50 Parker, Irvine, CA 92618.

18        280-281. Venue for these counterclaims is proper in this Court pursuant to  
19 at least 28 U.S.C. §§ 1391(b)(1) and 1391(c)(2) because Entropic filed its claims  
20 against Cox in this federal judicial district.

21        **MaxLinear’s Involvement in CableLabs and DOCSIS**

22        281-282. Cable Television Laboratories, Inc. (“CableLabs”) is a non-profit  
23 research and development consortium that is a “leading innovation and R&D lab for  
24 the cable industry.”<sup>2</sup> CableLabs was formed by, among others, cable companies like  
25 Cox that operate multiple cable systems and cable operators continue to be member  
26 organizations in CableLabs. CableLabs does not itself deploy, purchase and use cable

27  
28        <sup>2</sup> <https://www.cablelabs.com/>

1 equipment in multiple cable systems like the cable operators. CableLabs instead  
2 evaluates new technologies and develops common specifications for interoperability  
3 to help drive the scale of cable equipment and reduce costs for cable operators like  
4 Cox and their customers.

5 ~~282,283.~~ CableLabs develops and publishes various specifications and  
6 standards, including the Data Over Cable Service Interface Specification  
7 (“DOCSIS”). Multiple entities participate in developing the specifications, which  
8 aim to benefit cable operators. For example, the DOCSIS 3.1 specification states  
9 that it “is the result of a cooperative effort undertaken at the direction of Cable  
10 Television Laboratories, Inc. for the benefit of the cable industry and its customers”  
11 and further explains in Section 1.1 that the “specification was developed for the  
12 benefit of the cable industry, and includes contributions by operators and vendors  
13 from North and South America, Europe, China and other regions.”

14 ~~283,284.~~ Vendors of cable equipment may participate in the  
15 development of CableLabs’ specifications through a variety of processes.<sup>3</sup> By  
16 executing a confidentiality agreement, vendors can access non-public documents,  
17 including ~~Draft—draft Specifications~~specifications, technical papers and  
18 documentation, software code, notices, and announcements. Any vendor with  
19 interest or expertise can also join the relevant working groups that develop the  
20 relevant specifications. As CableLabs explains,

21 In order to facilitate widespread implementation of CableLabs  
22 Specifications, and reduce overall costs for Vendors, Cable Operators,  
23 and consumers, CableLabs has established Contribution Agreements  
24 (also referred to as IPR Agreements) for each family of CableLabs  
25 Specifications—DOCSIS (data), PacketCable (voice), and OpenCable  
26 (video). DPoE, EPOC, Metadata, and other projects also have similar

27 <sup>3</sup> <https://www.cablelabs.com/become-a-vendor/suppliers-how-to-engage#>  
28

1 Contribution Agreements. The Contribution Agreements provide  
2 Technology Vendors with either a royalty-free grant of necessary  
3 intellectual property, or a reasonable and non-discriminatory obligation  
4 to license necessary intellectual property, from all other Contributors, as  
5 the case may be per agreement. Likewise, to participate in the Working  
6 Group, a Vendor must make reciprocal commitments to all other  
7 Contributors by signing the Contribution Agreement.<sup>4</sup>

8 284,285. MaxLinear was aware of CableLabs objectives and even  
9 executed applicable NDAs and a Contribution Agreement in the case of DOCSIS.  
10 As a result, MaxLinear received, among other benefits, the ability to see  
11 confidential information concerning the draft specifications, participate in the process  
12 of developing draft specifications, learn and understand the direction of technology  
13 for the cable industry, position its own products and services to market to the cable  
14 industry, and make, market, and sell its DOCSIS compliant products to the cable  
15 industry.

16 285,286. The Contribution Agreement in the case of DOCSIS created a  
17 royalty-free pool for intellectual property rights essential to the DOCSIS  
18 standards. Specifically, companies that have signed a DOCSIS license agreement  
19 (“DOCSIS Licensors”) granted CableLabs a non-transferable, worldwide, non-  
20 exclusive, royalty-free license, with the right to sublicense, to all current and  
21 future patents owned by the licensor or its affiliates essential for compliance  
22 with DOCSIS specifications. In return, DOCSIS Licensors obtained from  
23 CableLabs a non-transferable worldwide, non-exclusive, royalty-free license under  
24 all patents CableLabs had the right to license or sublicense to the extent  
25 necessary for compliance with the DOCSIS specifications.<sup>5</sup>

26  
27 <sup>4</sup> <https://www.cablelabs.com/become-a-vendor/suppliers-how-to-engage#>

28 <sup>5</sup> <https://www.cablelabs.com/blog/patents-and-licensing-why-it-matters>

1 286-287. MaxLinear, Inc. is one of multiple vendors to have executed  
2 a DOCSIS License Agreement, a copy of which is attached as Exhibit A. The  
3 DOCSIS License Agreements recite that they were created so that CableLabs could

4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED] *Id.* The DOCSIS License Agreement  
11 bound MaxLinear, Inc. to the intellectual property rights policies and the assignment  
12 terms set forth in the Agreement.

13 288. The DOCSIS License Agreements were intended to benefit Cox, which  
14 could purchase and use manufactured products compliant with DOCSIS free of any  
15 patent claims.

16 287-289. Other vendors from which Cox purchases DOCSIS-compliant  
17 hardware and software are also DOCSIS Licensors. For example, Cox, or its  
18 customers, purchase and use equipment from Samsung Electronics Co., Systems,  
19 Inc (“Cisco”), and ARRIS Group, Inc., and/or their relevant predecessors and  
20 successors. These suppliers are signatories to the DOCSIS License Agreement, as  
21 demonstrated in Exhibit B, which is a true and correct copy of CableLabs’ list of  
22 DOCSIS® IPR Agreement Signatories.

23 288-290. Cox’s suppliers, in turn, purchase components from other  
24 DOCSIS signatories that supply systems on a chip, like Broadcom Corporation  
25 or Intel Corporation, who are also signatories to the DOCSIS License  
26 Agreement. The equipment Cox obtains or uses from these suppliers and DOCSIS  
27 Licensors complies with and/or is certified to comply with DOCSIS Specifications.

1 MaxLinear, Inc. is also listed as a signatory to the DOCSIS License Agreements  
2 according to the publicly available DOCSIS® IPR Agreement Signatories, attached  
3 as Exhibit B.

4 291. Through its DOCSIS License Agreement, MaxLinear ~~granted~~ provided

5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]

14 ~~289-292.~~ The DOCSIS License Agreement executed by MaxLinear [REDACTED]

15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]

18 290-293. [REDACTED]

19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]

23 291-294. MaxLinear has made, offered for sale, and sold various  
24 equipment for use in the cable industry that are advertised as being and/or are  
25 DOCSIS compliant. For instance, MaxLinear's April 26, 2023 form 10-Q filing  
26 describes its customers as including "electronics distributors, module makers, original  
27 equipment manufacturers, or OEMs, and original design manufacturers, or

1 ODMs, who incorporate the Company's products in a wide range of electronic  
2 devices, including cable Data Over Cable Service Interface Specifications (DOCSIS)."  
3 MaxLinear made representations that stressed MaxLinear's commitments to ensuring  
4 it complied with the relevant standards rules because its "products and operations are  
5 also subject to the rules of industrial standards bodies."<sup>6</sup> Likewise, MaxLinear's  
6 represented that its "products must conform to industry standards in order to be  
7 accepted by end users," and because its "products comprise only a part or parts of a  
8 communications device" and "[a]ll components of these devices must uniformly  
9 comply with industry standards in order to operate efficiently together," it was  
10 important for MaxLinear to remain in compliance with the standards and standards  
11 bodies like CableLabs and DOCSIS.<sup>7</sup>

12 292-295. By executing the DOCSIS License Agreements, representing  
13 itself as a supplier of DOCSIS equipment and therefore a "licensor" to the DOCSIS  
14 License Agreements, and/or by promoting DOCSIS compliance of its equipment,  
15 MaxLinear obtained the benefit of joining the DOCSIS patent pool, including the  
16 ability to develop, market, and sell products that were compatible with DOCSIS  
17 specifications. Those actions, as well as its representation that it would abide by  
18 standards rules due to the critical nature of such standards to its business, and its offers  
19 of DOCSIS compliant products were all intended to entice vendors and customers to  
20 believe that MaxLinear intended fully to honor its commitments under the DOCSIS  
21 License Agreement. As detailed below, however, such representations were false,  
22 misleading and mistaken.

26 <sup>6</sup> See [https://www.sec.gov/Archives/edgar/data/1288469/000128846918000006/a12311710-](https://www.sec.gov/Archives/edgar/data/1288469/000128846918000006/a12311710-k.htm)  
27 [k.htm](https://www.sec.gov/Archives/edgar/data/1288469/000128846918000006/a12311710-k.htm)  
28 Id.

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**The Improper Efforts to ~~Transfer Free the Patents Free of Encumbrances to~~**  
**Bring this Suit**

296. Unknown to Cox, in 2021, each of MaxLinear, Inc. and MaxLinear Communications LLC negotiated and entered into a secret “Patent Purchase Agreement” with Plaintiff that [REDACTED]

[REDACTED] S.

297. [REDACTED]

298. [REDACTED]

293, 299. Plaintiff Entropic asserts in its Complaint, at ¶3, that it “is the owner by assignment to all right, title, and interest to the Patents-in-Suit” and “is the successor- in-interest for the Patents-in-Suit.”

294, 300. Exhibit C is a true and correct copy of the assignment agreement between MaxLinear, Inc. and Plaintiff Entropic executed on March 31, 2021 and filed with the U.S. Patent Office (hereafter “Plaintiff’s First Assignment”). Exhibit C purports to assign to Entropic the ’008, ’362, ’826, and ’682 Patents, as well as the continuations of patents assigned therein, including the ’206 and ’866 Patents. Exhibit C is the last assignment applicable to the above-identified Asserted Patents to have been filed in the U.S. Patent Office before the filing of Plaintiff’s Complaint.

1 295.301. Exhibit D is a true and correct copy of the assignment  
2 agreement between MaxLinear Communications LLC. and Plaintiff Entropic  
3 executed on March 31, 2021 and filed with the U.S. Patent Office (hereafter  
4 “Plaintiff’s Second Assignment”). Exhibit D purports to assign the ’775 and ’690  
5 Patents to Entropic and is the last assignment applicable to the ’775 and ’690 Asserted  
6 Patents to have been filed in the U.S. Patent Office before the filing of Plaintiff’s  
7 Complaint.

8 296.302. ~~Plaintiff is not and, since its formation, has not been, affiliated~~  
9 ~~with MaxLinear. Plaintiff knew of MaxLinear’s contractual and public commitments~~  
10 ~~to DOCSIS and that MaxLinear~~ [REDACTED]

11 [REDACTED]  
12 Plaintiff’s knowledge is based on at least the foregoing: MaxLinear  
13 publicly noted its membership in DOCSIS, CableLabs maintained a website that  
14 publicly explains the DOCSIS license terms, CableLabs’ website likewise lists  
15 entities including MaxLinear Inc. as well as various Cox suppliers that had executed  
16 the DOCSIS License Agreement, at least some of the Asserted Patents expressly  
17 reference and/or implicate the DOCSIS standards, [REDACTED]

18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]. Furthermore, before filing this suit, on  
23 information and belief, Plaintiff reviewed the DOCSIS standards and the relevant  
24 DOCSIS license terms, which appear on the same website that makes the standards  
25 publicly available, and Plaintiff’s review occurred at least in connection with  
26 preparing its Complaint and sending correspondence to Cox in 2022 claiming Plaintiff  
27 owned patents essential to various “relevant standards bodies.”

1 297-303. Before Plaintiff filing its Complaint, MaxLinear knew and  
2 Plaintiff knew, or should have known, that (a) DOCSIS specifications were relied  
3 upon in the cable industry by equipment makers from whom Cox purchased or used  
4 equipment; (b) MaxLinear and other DOCSIS equipment suppliers had made  
5 contractual commitments to CableLabs and that MaxLinear was bound by relevant  
6 DOCSIS License Agreements and (c) that Cox was a beneficiary of the DOCSIS  
7 License Agreements. [REDACTED]

8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]  
11 304. Based on the averments in Plaintiff's Complaint and if Plaintiff's  
12 averments are substantiated, one or more of the Asserted Patents are essential to  
13 compliance with the DOCSIS specifications. By way of example, Plaintiff's  
14 Complaint discusses and describes various items of cable equipment that are DOCSIS  
15 compliant, including cable modems and cable modem termination systems. Plaintiff's  
16 Complaint further references as exhibits charts that both compare one or more claims  
17 within the Asserted Patents to various DOCSIS compliant equipment provided by  
18 DOCSIS Licensors like ARRIS, Broadcom, Pace, Samsung and/or Technicolor, as  
19 well as reference various aspects of DOCSIS.

20 298.—

21 305. Plaintiff's averments directly implicate the DOCSIS specifications. For  
22 example, the '775 Patent concerns a cable modem system with a cable modem engine  
23 including a "DOCSIS controller" and a "DOCSIS MAC processor," each of which  
24 are addressed in DOCSIS. Plaintiff's accusations focus on DOCSIS-compliant cable  
25 modems, set top boxes, and other equipment as evidenced in Exhibit 2 of Plaintiff's  
26 Complaint. The '690 and '682 Patents relate to messaging and communications  
27 between a Cable Modem Termination System and a Cable Modem, which is  
28

1 addressed in DOCSIS and which items are addressed in Exhibits 4 and 12 of  
2 Plaintiff's Complaint.

3 306. Plaintiff has also provided its infringement contentions that rely upon  
4 DOCSIS-compliant equipment and/or DOCSIS functionalities. Based upon  
5 Plaintiff's averments in its Complaint, Plaintiff's infringement contentions and/or the  
6 DOCSIS specifications themselves, one or more claims from at least the '008, '826  
7 and/or '690 Patents, are essential for compliance with the DOCSIS specifications.  
8 And, as to the '775 and '682 patents, at least in light of Plaintiff's contentions and  
9 because the '775 patent has claims specifically to DOCSIS components and the '682  
10 patent claims messaging addressed in DOCSIS, each of those patents plausibly may  
11 contain one or more claims that are essential to DOCSIS.

12 307. Additionally, Plaintiff has claimed that it holds "patents essential to  
13 standards, in accordance with the applicable intellectual property rights policies of  
14 relevant standards bodies."<sup>8</sup> Plaintiff's correspondence further included a list of  
15 patents, which list includes the Asserted Patents.

16 299-308. Neither the [REDACTED] nor Plaintiff's First and  
17 Second Assignments concerning the Asserted Patents ~~do not~~ includes any provisions  
18 assuming the obligations MaxLinear incurred under the DOCSIS License  
19 Agreements, including an acknowledgement that MaxLinear previously granted  
20 perpetual, royalty free and irrevocable licenses thereunder.

21 309. Plaintiff's First and Second Assignments, in fact, purport to assign "all  
22 right, title, and interest" to the relevant Asserted Patents and to make such assignment  
23 "free and clear of all liens, claims and encumbrances other than those" Plaintiff  
24 "expressly agreed in writing will continue to encumber the Patent Rights after  
25 execution and delivery of this Assignment of Patent Rights." See Exhibits C, D.

26  
27  
28 <sup>8</sup> Complaint, CA No. 2:23-cv-01049-JWH-KES, at Ex. 17.

1 Plaintiff's First and Second Assignment, however, contains no express, written  
2 agreement by Plaintiff as to the continued existence of any encumbrances.

3 300.310. [REDACTED]

4 [REDACTED] in direct violation of  
5 the DOCSIS License Agreement in view of the DOCSIS-essential nature of one or  
6 more of the Asserted Patents.

7 311. Plaintiff's First and Second Assignments and the [REDACTED]

8 [REDACTED] violate the DOCSIS License Agreement and are void.

9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 313. Plaintiff induced MaxLinear's breaches of its relevant contractual  
21 obligations, and the DOCSIS License Agreement provisions in order to acquire the  
22 Asserted Patents and to bring this suit. Plaintiff's inducing actions included: [REDACTED]

1       314. Plaintiff additionally did not and has not, honored royalty-free licenses  
2 it issued to the relevant patents consistent with the DOCSIS License Agreement.

3       315. But for MaxLinear's contractual breaches and Plaintiff's improper  
4 actions in inducing such breaches, this case would not have been filed.

5       316. Cox invested substantial money and resources in connection with  
6 supporting DOCSIS standards development and purchasing, implementing and using  
7 DOCSIS-compliant equipment, in reliance on the royalty-free patent license  
8 applicable to essential DOCSIS patents. MaxLinear received substantial benefits from  
9 Cox's support of DOCSIS in that the market for DOCSIS compliant equipment  
10 expanded and MaxLinear was able to develop, market and sell its own DOCSIS  
11 products.

12       317. MaxLinear's and Plaintiff's actions have resulted in Cox not receiving  
13 the intended benefits of the DOCSIS licenses and standards, including the [REDACTED]

14 [REDACTED]  
15 [REDACTED]  
16       301.318. But for the breach and induced breach of the DOCSIS License,  
17 Plaintiff could not have asserted ownership of the relevant patents, or any entitlement  
18 to damages or royalties given the relevant provisions. MaxLinear's breach Cox has  
19 caused Cox to be forced to defend, and incur significant costs in so defending, an  
20 action concerning DOCSIS-essential patents that are not owned or ownable by  
21 Plaintiff, and as to which the DOCSIS License Agreement bars any suit.

22       **Count I: Breach of Contract by MaxLinear**

23       302.319. Cox realleges and incorporates by reference the foregoing  
24 allegations of its counterclaims.

25       303.320. As discussed above, MaxLinear joined the DOCSIS patent  
26 pools and granted CableLabs a non-exclusive, royalty-free license, with the right to  
27 sublicense, to all current and future patents owned by it or its affiliates essential for  
28

1 compliance with DOCSIS. MaxLinear's license encompassed each and every one of  
2 the Asserted Patents that is essential to compliance with DOCSIS.

3 304.321. Cox's suppliers of cable equipment who were also DOCSIS  
4 Licensors obtained from CableLabs a non-transferable worldwide, non-exclusive,  
5 royalty-free license under all patents CableLabs had the right to license or  
6 sublicense, including the Asserted Patents, to the extent necessary for compliance with  
7 DOCSIS.

8 305.322. ~~Pursuant to the DOCSIS License Agreements, Cox is sublicensed~~  
9 ~~to the Asserted Patents to the extent necessary to practice DOCSIS. Alternatively, A~~  
10 ~~as~~ purchasers or users of products that comply with the DOCSIS Specifications and  
11 are provided by suppliers who are DOCSIS licensors, Cox is an intended third-party  
12 beneficiary of the DOCSIS License Agreements. Accordingly, the applicable  
13 Asserted Patents, including at least the '775, '690, '008, '826 and/or '682 patents, are  
14 licensed or exhausted such that no action on those patents can be maintained against  
15 Cox.

16 306.323. MaxLinear breached its contractual obligations under the  
17 DOCSIS License Agreement and its obligations to ensure that Cox and other licensees  
18 or purchasers therefrom received a perpetual, non-exclusive, irrevocable and royalty  
19 free license, such that Cox could operate applicable licensed products free of any  
20 claim of infringement based on MaxLinear's licensed patents.

21 307.324. MaxLinear has breached its contractual obligations by engaging  
22 in at least the following actions: (a) accepting an interest in an outcome of this suit  
23 accusing Cox of infringing the Asserted Patents despite knowing of the prior grant of  
24 licenses to patents essential or included in DOCSIS; (b) breaching the DOCSIS  
25 License Agreements by attempting to assign the Asserted Patents free of any  
26 encumbrances; and (c) transferring patents to Entropic without ensuring that Entropic  
27 would honor MaxLinear's royalty-free licensing obligations as a purported successor-

1 in-interest, and making such transfers despite knowledge that Entropic aimed to bring  
2 suits and/or pursue additional and unlawful payments in violation of MaxLinear's  
3 obligations.

4 325. As a result of these breaches, Cox has been injured in their business or  
5 property, and has suffered and will continue to suffer damages.

6 326. Cox seeks a finding that, in view of MaxLinear's breaches, any  
7 agreement purporting to assign the Asserted Patents is void.

8 **Count II: Declaratory Judgment that Assignments Are Void**

9 327. Cox realleges and incorporates by reference the foregoing allegations of  
10 its counterclaims.

11 328. As detailed above, one or more of the Asserted Patents are essential to  
12 DOCSIS and the DOCSIS License [REDACTED]

13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]

18 308. Plaintiff has brought suit claiming to own, through its illegal, improper  
19 and void assignments, the Asserted Patents. As a result, there is a substantial  
20 controversy of sufficient immediacy and reality to warrant the issuance of a  
21 declaratory judgment voiding the agreements assigning the Asserted Patents to  
22 Plaintiff.

23 **Count III: Tortious Interference with Contract Against Entropic**

24 309-329. Cox realleges and incorporates by reference the foregoing  
25 allegations of its counterclaims.

26 340-330. As discussed above, MaxLinear contractually provided an  
27 irrevocable, royalty-free and non-exclusive license to CableLabs, with the right to  
28



1 sublicense, any patents, including the Asserted Patents, essential to compliance with  
2 DOCSIS. MaxLinear further agreed that its obligations under the relevant agreement  
3 could not be transferred and, if so, were void. Cox was and remains a known and  
4 intended beneficiary of these promises.

5 ~~341.331.~~ Entropic was aware of MaxLinear's obligations under the  
6 DOCSIS license agreements. Nevertheless, Entropic induced a breach of MaxLinear's  
7 contractual obligations by inducing MaxLinear to attempt to assign various patents  
8 for Entropic to enforce and for Entropic to seek damages, despite Entropic's  
9 awareness that one or more such patents may be essential to compliance with  
10 DOCSIS. As a result of Entropic's actions, MaxLinear breached its contractual  
11 obligations.

12 ~~342.332.~~ As a result of Entropic's inducement of these breaches, Cox has  
13 been injured in their business or property, and has suffered and will continue to  
14 suffer damages.

15 **Count IVH: Alternative Claim of Quasi-Contract for Restitution / Unjust**  
16 **Enrichment Against MaxLinear**

17 ~~343.333.~~ Cox realleges and incorporates by reference the foregoing  
18 allegations of its counterclaims.

19 ~~344.334.~~ As discussed above, MaxLinear received multiple benefits from  
20 participating in DOCSIS development and interacting with CableLabs, cable industry  
21 and cable operators like Cox. MaxLinear was able, among other benefits, to develop,  
22 deploy, market, make, and sell various DOCSIS compliant equipment to the cable  
23 industry free of any claim of infringement by other vendors via the DOCSIS License  
24 Agreements.

25 ~~345.335.~~ MaxLinear also received the ability to learn of draft and actual  
26 DOCSIS specifications, the future progress of cable industry technology and the  
27 potential innovations important to the cable industry. These benefits further assisted  
28

1 MaxLinear in developing, securing and ultimately monetizing patents, including the  
2 Asserted Patents.

3 336. The benefits MaxLinear received were obtained as a result of its false,  
4 misleading and/or mistaken representations and requests. MaxLinear made false  
5 representations, including misrepresenting to the public via its securities filings that  
6 its conduct was governed by standards bodies rules and regulations, and that  
7 continued compliance with such standards bodies rules and regulations were critical  
8 to its business. To gain the benefit of DOCSIS standardization so that its component  
9 products could interoperate with the products of larger customers so as to participate  
10 in the market for DOCSIS products, MaxLinear additionally misled and  
11 misrepresented to cable industry participants including Cox that [REDACTED]

12 [REDACTED]  
13 [REDACTED]  
14 337. The [REDACTED], as well as  
15 MaxLinear's conduct in breaching its obligations and affirmatively seeking to divest  
16 key encumbrances, demonstrate the false and misleading nature of MaxLinear's prior  
17 statements and actions.

18 338. These actions by MaxLinear created, at minimum, a quasi-contract that  
19 MaxLinear has now breached by retaining the benefits conferred unjustly.

20 346.339. MaxLinear received the unjustly retainedse benefits at Cox's  
21 expense. Cox devoted substantial resources, money and effort to support DOCSIS  
22 standardization, as well as to purchase and deploy DOCSIS-compliant equipment.  
23 Cox understood and expected that [REDACTED]

24 [REDACTED]  
25 [REDACTED]  
26 [REDACTED]. By instead transferring the Asserted  
27 Patents to Plaintiff, MaxLinear has created additional expense and uncertainty for Cox

1 and its business, while retaining benefits that it unjustly earned through its false and  
2 misleading actions and statements.

3 317.340. Equity and good conscience accordingly demands that MaxLinear  
4 disgorge and provide restitution of any and all monies and profits from MaxLinear's  
5 unjust enrichment.

6 **PRAYER FOR RELIEF**

7 Wherefore, Cox respectfully asks this Court for the following relief:

- 8 A. That the Complaint against Cox be dismissed in its entirety with  
9 prejudice;
- 10 B. That this Court find that all claims of the Asserted Patents that  
11 Plaintiff has asserted or will properly assert against Cox are  
12 invalid and patent ineligible pursuant to Title 35 of the United  
13 States Code;
- 14 C. That this Court find that Cox has not infringed and does not  
15 infringe, in any manner, any valid and enforceable asserted claim  
16 of any Asserted Patent;
- 17 D. That this Court find the asserted claims of the Asserted Patents  
18 unenforceable against Cox;
- 19 E. That Plaintiff take nothing by reason of its Complaint;
- 20 F. That MaxLinear breached its contractual obligations and/or  
21 was unjustly enriched such that this Court shall award Cox  
22 appropriate damages and equitable relief;
- 23 G. That Entropic induced and intentionally interfered with  
24 contractual relations and award Cox appropriate damages  
25 and equitable relief;
- 26 H. That this Court declare as void any agreement attempting to  
27 assign the Asserted Patents in violation of the IPR Policy;

I. That this Court find that this is an exceptional case under 35 U.S.C. § 285 and award Cox its reasonable attorneys' fees, expenses, and costs incurred in this action; and

II. Any such other relief as the Court deems to be just and proper.

Dated: ~~January 9, 2024~~ ~~October 12, 2023~~ KILPATRICK TOWNSEND & STOCKTON LLP

By: /s/ April E. Isaacson

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~~California, LLC~~

**DEMAND FOR JURY TRIAL**

Cox hereby demands a jury trial, pursuant to Fed. R. Civ. P. 38(b), as to all issues that may be tried by a jury.

Dated: ~~January 9, 2024~~ ~~October 12, 2023~~ KILPATRICK TOWNSEND & STOCKTON LLP

By: /s/ April E. Isaacson

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